

# APPLICATION FOR PERMIT

In order to clarify submittals made to the Land Permit Section, this document shall be utilized as page one of applications for Operating Permit and Supplemental Permit for site modification. This form is not to be used with applications for Development Permit and for Supplemental Permit to accept special waste (green forms).

12-23-82

date

Illinois Environmental Protection Agency  
Land Permit Section  
Division of Land/Noise Pollution Control  
2200 Churchill Road  
Springfield, Illinois 62706

Gentlemen:

This is an application for

☐

Operating Permit

☐

Supplemental Permit to modify development

☒

Supplemental Permit to modify operation

for

Site Name: Custom Organics, Inc.

Site Address: 1445 West 42nd Street

Chicago, Illinois 60609

County: Cook

RECEIVED

DEC 23 1982

E.P.A. — D.L.P.C.  
STATE OF ILLINOIS

US EPA RECORDS CENTER REGION 5



469082



## CustomOrganics Inc.

1445 WEST 42ND STREET • CHICAGO, ILLINOIS 60609 • 312/247-2828

December 23, 1982  
IEPA I.D. No. 1980-39-OP  
PART VI-9

Custom Organics is a high technology chemical engineering company performing unit operations normally carried out in sophisticated refining of petroleum and chemicals. It does not dispose of waste within the Company property boundaries. Its equipment is engineered and constructed in conformance with the highest performance standards. Its property is neat and well maintained as is necessary in the conduct of its operations with the highest professional standards. In addition to routine inspections by minicipal agencies its operations and plant are regularly inspected by the engineering staff of its clients. Thus, we have been routinely inspected by the engineering and pollution control staffs of DuPont, Upjohn, Monsanto and others who must approve the professional proficiency of our Company before we may do any work for them.

The Company is located within the original Stockyards area of the City of Chicago on a site formerly occupied by The Armour Company, the world's largest meat packer. Our specific location is laterally in the center of the Yards and approximately two city blocks east of Ashland Avenue. The property has the heaviest city zoning designation, M3-5. We operate so as to conform to all zoning regulations as well as air pollution and water regulations. Our working areas are monitored on a routine basis to ensure that concentraion levels of all chemicals are well within OSHA prescribed levels. We do not work with any chemicals having a high acute toxicity.

Our property faces on 42nd and 43rd Streets. Most shipments are by tank wagon and in terms of numbers are very light. Shipments in and out of the plant will average about one tank wagon or less each working day.



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PART VI-8

#### CLOSURE PLAN

Due to the closed circuit nature of this recovery process and the high value of the crude material, in the event of closure of the facility, all products and intermediate fractions would be returned to the generator, E. I. DuPont, Circleville, Ohio. Since they maintain legal ownership of the material, return of unprocessed material becomes a contractual obligation.

All material and intermediate fractions would be water soluble, requiring only water-washing of equipment and tanks to effect decontamination. Wash material would then be suitable for subsequent stabilization and disposal. All process equipment and tanks would then be suitable for resale. None of the materials on intermediates exist as a sludge or non-liquid material, so residuals would not present a problem.

All waste streams generated in this process are disposed of on a regular basis off-site. No burial or destruction occurs on-site. Upon complete closure of the facility, buildings and land would be suitable for immediate commercial redevelopment.



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PART VI - 7

As is indicated in this permit application Custom Organics has been established for about 11 years. It is a processor of chemicals but does not dispose of hazardous waste on its own property. Its property and equipment is in a constant state of improvement each of which constitutes a minor part of the plant.

Plant operators prepare a plant inventory of all chemicals in the plant, every eight hours, 24 hours a day, and seven days a week. All storage tanks and all outdoor processing tanks are diked. All operating processing tanks and chemical piping is inspected for leaks and other failures every hour as part of the regular operating procedure.

All incoming mixtures for reclamation are analyzed by gas chromatography. If the shipment is in drums every drum is analyzed. We normally supply an inventory to each customer once each month, of that customers chemicals in storage and process. We attempt to operate the entire plant on a quantitative basis. Every material is recorded in and out of the plant as to composition and quantity.

CUSTOM ORGANICS,  
FIRE EXTINGUISHER  
JAN 1981.

SHOP

OFFICES

STORAGE  
TANK

EXTRACTOR

50  
TRAY  
STILL

FLAMEPROOF  
VAULT

LAB

LAB

EXTRACTOR

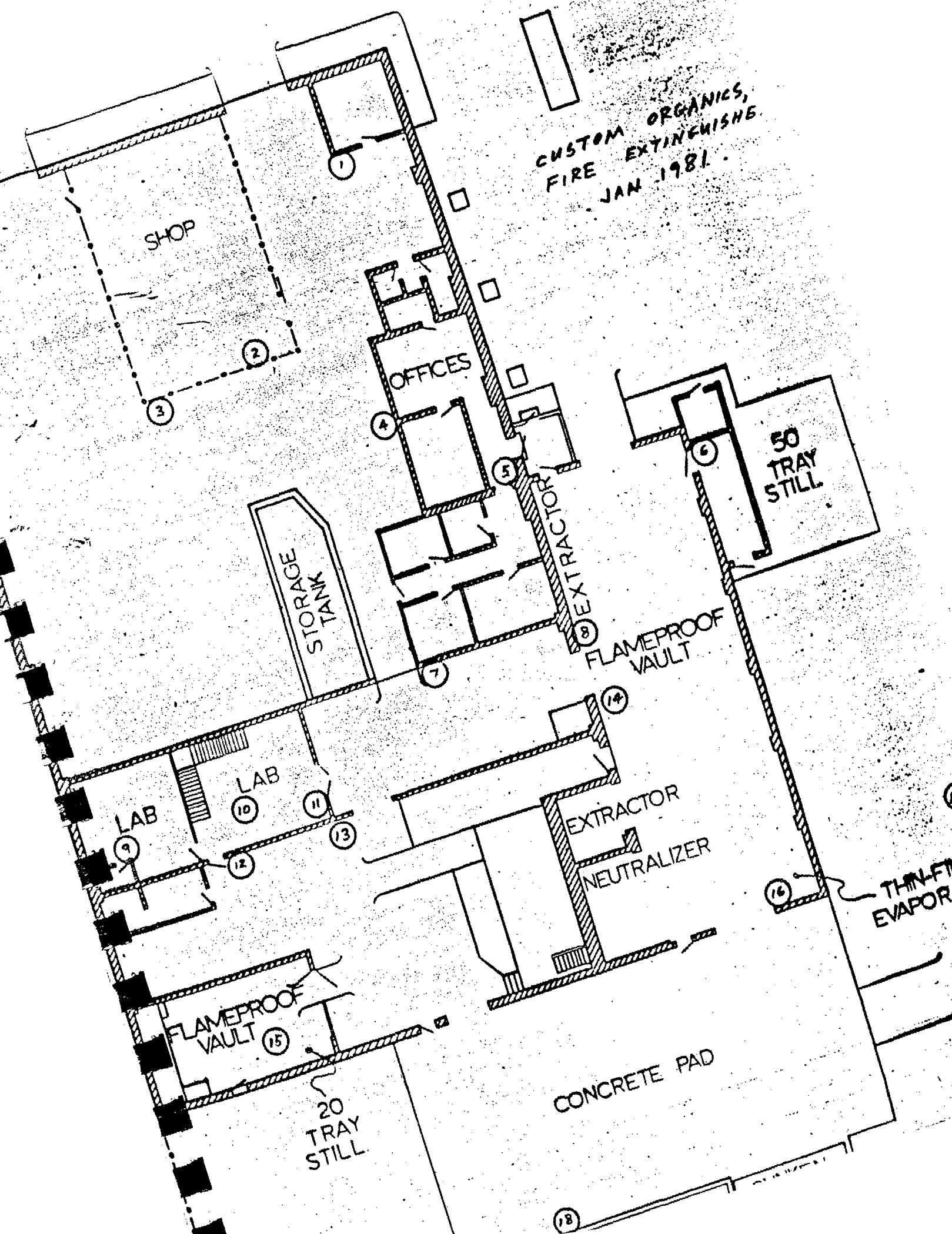
NEUTRALIZER

FLAMEPROOF  
VAULT

20  
TRAY  
STILL

CONCRETE PAD

THIN-FILM  
EVAPOR



Hospital

Vernon St.

29th St

King Drive

35th Street

39th Street

I-90-94

Halsted Street

CO

Ashland Ave.

42nd St

43rd Street

INSTRUCTIONS TO MICHAEL REESE HOSPITAL